

CN

Material Safety Data Sheet

XP-002192459

According to 91/155 EC

Reviewed on 12.07.2000

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1 Identification of substance:

Trade name: Wizard(R) SV 96 Neutralization Solution

Article number: A148

Manufacturer/supplier:

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711
U.S.A.
1-608-274-4330
1-800-356-9526

Further information obtainable from:

Promega UK
Delta House, Enterprise Road
Chilworth Research Centre
Southampton SO16 7NS
UNITED KINGDOM

Tel: 011 44 23 8076 0225

Fax: 011 44 23 8076 7014

Email Address: uktechserve@uk.promega.com

Web Address: ww.promega.com/uk/

Information in case of emergency:

ChemTrec 1-800-424-9300

For call originating outside the United States dial (703)-527-3887

2 Composition/Data on components:

Chemical characterization

Description:

Mixture of substances listed below with nonhazardous additions.

Components:

50-01-1 guanidinium chloride

Xn; R 22-36/38

64-19-7 acetic acid, of a concentration of more than 10 per

cent, by weight, of acetic acid

C; R 35

3 Hazard identification

Hazard description: Xn Harmful

Information concerning to particular hazards to man and environment

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

4 First aid measures

General information

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

- In case of unconsciousness place patient stably in side position for transportation.
- After skin contact
 - Immediately wash with water and soap and rinse thoroughly.
 - After eye contact
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
 - After swallowing call for a doctor immediately.

5 Fire fighting measures

- Suitable extinguishing agents
- CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: Not required.
- Measures for environmental protection:
- Prevent seepage into sewage system, workpits and cellars.
- Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.

7 Handling and storage

- Handling
- Information for safe handling:
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Information about fire - and explosion protection:
- No special measures required.
- Storage
- Requirements to be met by storerooms and receptacles:
- No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed.
- Storage class
- Class according to regulation on flammable liquids: Void

8 Exposure controls and personal protection gear

- Additional information about design of technical facilities:
- No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64-19-7 acetic acid, of a concentration of more than 10 per cent, by weight, of acetic acid

OES: Short-term value: 37 mg/m³, 15 ppm

Long-term value: 25 mg/m³, 10 ppm

- Additional information:

The lists valid during the making were used as basis.

- Personal protective equipment
- General protective and hygienic measures
- Keep away from foodstuffs, beverages and feed.

- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- Respiratory protection:**
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:** Protective gloves.
- Eye protection:** Tightly sealed goggles.

9 Physical and chemical properties:

Value/Range	Unit	Method
Form:	Fluid	
Colour:	Colourless	
Odour:	Characteristic	
Change in condition		
Melting point/Melting range:		undetermined
Boiling point/Boiling range:		100 ° C
Flash point:		Not applicable
Ignition temperature:		485.0 ° C
Self-igniting:		Product is not self-igniting.
Danger of explosion:		Product does not present an explosion hazard.
Explosion limits:		
Lower:		4.0 Vol %
Upper:		17.0 Vol %
Vapour pressure:	at 20 ° C	16.0 hPa
Density:	at 20 ° C	0.875 g/cm³
Solubility in / Miscibility with		Not miscible or difficult to mix
Water:		
Solvent content:		
Organic solvents:		12.7 %
Water:		40.8 %
Solids content:		46.5 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known
- Dangerous decomposition products:
- No dangerous decomposition products known

11 Toxicological information

- Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification guidelines for preparations as issued in the latest version.
Harmful
Irritant

12 Ecological information:

- General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- Product:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Recommendation:
Uncleaned packaging:
Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- Contact Promega Safety Department for additional transport information.
- Land transport ADR/RID (cross-border)
 - ADR/RID class: -
 - Maritime transport IMDG:
 - IMDG class: -
 - Marine pollutant: NO
 - Air transport ICAO-TI and IATA-DGR:
 - ICAO/IATA class: -

15 Regulations

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- Code letter and hazard designation of product: Xn Harmful
- Hazard-determining components of labelling: guanidinium chloride
- Risk phrases:
22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
- Safety phrases:
23 Do not breathe gas/fumes/vapour/spray.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37 Wear suitable protective clothing and gloves.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

• National regulations

• Classification according to VbF: Void

• Technical instructions (air):

Class share in %

Water 40.8

II 12.7

• Waterhazard class:
Water hazard class I (Self-assessment): slightly hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Department issuing MSDS:

Promega Corporation

Safety Department

2800 Woods Hollow Road

Madison, WI 53711

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• Contact:

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Chilworth Research Centre

Southampton SO16 7NS

UNITED KINGDOM

44-(0)23-8076-0225

